

RAW SEQUENCE LISTING

EFS

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/800,487E
Source: 1FW16
Date Processed by STIC: 3/29/07

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 03/29/2007

PATENT APPLICATION: US/10/800,487E

TIME: 13:20:02

Input Set : N:\efs\03_29_07\10800487_efs\04218_400148_SeqList.txt

Output Set: N:\CRF4\03292007\J800487E.raw

3 <110> APPLICANT: Sirna Therapeutics, Inc.
4 McSwiggen, James
6 <120> TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Intercellular
Adhesion
7 Molecule (ICAM) Gene Expression Using Short Interfering Nucleic
8 Acid (siNA)
10 <130> FILE REFERENCE: 400/148 (MBHB04-218)
12 <140> CURRENT APPLICATION NUMBER: US 10/800,487E
13 <141> CURRENT FILING DATE: 2004-03-15
15 <150> PRIOR APPLICATION NUMBER: US 10/757,803
16 <151> PRIOR FILING DATE: 2004-01-15
18 <150> PRIOR APPLICATION NUMBER: US 10/720,448
19 <151> PRIOR FILING DATE: 2003-11-24
21 <150> PRIOR APPLICATION NUMBER: US 10/693,059
22 <151> PRIOR FILING DATE: 2003-10-23
24 <150> PRIOR APPLICATION NUMBER: US 10/444,853
25 <151> PRIOR FILING DATE: 2003-05-23
27 <150> PRIOR APPLICATION NUMBER: US 10/427,160
28 <151> PRIOR FILING DATE: 2003-04-30
30 <150> PRIOR APPLICATION NUMBER: PCT/US03/05346
31 <151> PRIOR FILING DATE: 2003-02-20
33 <150> PRIOR APPLICATION NUMBER: PCT/US03/05028
34 <151> PRIOR FILING DATE: 2003-02-20
36 <150> PRIOR APPLICATION NUMBER: US 60/358,580
37 <151> PRIOR FILING DATE: 2002-02-20
39 <150> PRIOR APPLICATION NUMBER: US 60/363,124
40 <151> PRIOR FILING DATE: 2002-03-11
42 <150> PRIOR APPLICATION NUMBER: US 60/386,782
43 <151> PRIOR FILING DATE: 2002-06-06
45 <150> PRIOR APPLICATION NUMBER: US 60/406,784
46 <151> PRIOR FILING DATE: 2002-08-29
48 <150> PRIOR APPLICATION NUMBER: US 60/408,378
49 <151> PRIOR FILING DATE: 2002-09-05
51 <150> PRIOR APPLICATION NUMBER: US 60/409,293
52 <151> PRIOR FILING DATE: 2002-09-09
54 <150> PRIOR APPLICATION NUMBER: US 60/440,129
55 <151> PRIOR FILING DATE: 2003-01-15
57 <150> PRIOR APPLICATION NUMBER: PCT/US02/15876
58 <151> PRIOR FILING DATE: 2002-05-17
60 <160> NUMBER OF SEQ ID NOS: 439
62 <170> SOFTWARE: PatentIn version 3.3
64 <210> SEQ ID NO: 1
65 <211> LENGTH: 19
66 <212> TYPE: RNA

see p. 6

RAW SEQUENCE LISTING

DATE: 03/29/2007

PATENT APPLICATION: US/10/800,487E

TIME: 13:20:02

Input Set : N:\efs\03_29_07\10800487_efs\04218_400148_SeqList.txt

Output Set: N:\CRF4\03292007\J800487E.raw

```

67 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
72 <400> SEQUENCE: 1
73 gccccagucg acgcugagc 19
76 <210> SEQ ID NO: 2
77 <211> LENGTH: 19
78 <212> TYPE: RNA
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
84 <400> SEQUENCE: 2
85 cuccucugcu acucagagu 19
88 <210> SEQ ID NO: 3
89 <211> LENGTH: 19
90 <212> TYPE: RNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
96 <400> SEQUENCE: 3
97 uugcaaccuc agccucgcu 19
100 <210> SEQ ID NO: 4
101 <211> LENGTH: 19
102 <212> TYPE: RNA
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
108 <400> SEQUENCE: 4
109 uauggcuccc agcagcccc 19
112 <210> SEQ ID NO: 5
113 <211> LENGTH: 19
114 <212> TYPE: RNA
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
120 <400> SEQUENCE: 5
121 ccggcccgcg cugcccgca 19
124 <210> SEQ ID NO: 6
125 <211> LENGTH: 19
126 <212> TYPE: RNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
132 <400> SEQUENCE: 6
133 acuccugguc cugcucggg 19
136 <210> SEQ ID NO: 7
137 <211> LENGTH: 19
138 <212> TYPE: RNA
139 <213> ORGANISM: Artificial Sequence

```

RAW SEQUENCE LISTING

DATE: 03/29/2007

PATENT APPLICATION: US/10/800,487E

TIME: 13:20:02

Input Set : N:\efs\03_29_07\10800487_efs\04218_400148_SeqList.txt

Output Set: N:\CRF4\03292007\J800487E.raw

```

141 <220> FEATURE:
142 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
144 <400> SEQUENCE: 7
145 ggcucuguuc ccaggaccu 19
148 <210> SEQ ID NO: 8
149 <211> LENGTH: 19
150 <212> TYPE: RNA
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
156 <400> SEQUENCE: 8
157 uggcaaugcc cagacaucu 19
160 <210> SEQ ID NO: 9
161 <211> LENGTH: 19
162 <212> TYPE: RNA
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
168 <400> SEQUENCE: 9
169 uguguccccc ucaaaaaguc 19
172 <210> SEQ ID NO: 10
173 <211> LENGTH: 19
174 <212> TYPE: RNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
180 <400> SEQUENCE: 10
181 cauccugccc cggggaggc 19
184 <210> SEQ ID NO: 11
185 <211> LENGTH: 19
186 <212> TYPE: RNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
192 <400> SEQUENCE: 11
193 cuccgugcug gugacaugc 19
196 <210> SEQ ID NO: 12
197 <211> LENGTH: 19
198 <212> TYPE: RNA
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
204 <400> SEQUENCE: 12
205 cagcaccucc ugugaccag 19
208 <210> SEQ ID NO: 13
209 <211> LENGTH: 19
210 <212> TYPE: RNA
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:

```

RAW SEQUENCE LISTING

DATE: 03/29/2007

PATENT APPLICATION: US/10/800,487E

TIME: 13:20:02

Input Set : N:\efs\03_29_07\10800487_efs\04218_400148_SeqList.txt

Output Set: N:\CRF4\03292007\J800487E.raw

```

214 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
216 <400> SEQUENCE: 13
217 gcccaaguug uugggcaua                                     19
220 <210> SEQ ID NO: 14
221 <211> LENGTH: 19
222 <212> TYPE: RNA
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
228 <400> SEQUENCE: 14
229 agagaccccg uugccuaaa                                     19
232 <210> SEQ ID NO: 15
233 <211> LENGTH: 19
234 <212> TYPE: RNA
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
240 <400> SEQUENCE: 15
241 aaaggaguug cuccugccu                                     19
244 <210> SEQ ID NO: 16
245 <211> LENGTH: 19
246 <212> TYPE: RNA
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
252 <400> SEQUENCE: 16
253 uggaacaac cggaaggug                                     19
256 <210> SEQ ID NO: 17
257 <211> LENGTH: 19
258 <212> TYPE: RNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
264 <400> SEQUENCE: 17
265 gaugaacug agcaaugug                                     19
268 <210> SEQ ID NO: 18
269 <211> LENGTH: 19
270 <212> TYPE: RNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
276 <400> SEQUENCE: 18
277 gcaagaagau agccaacca                                     19
280 <210> SEQ ID NO: 19
281 <211> LENGTH: 19
282 <212> TYPE: RNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

```

RAW SEQUENCE LISTING

DATE: 03/29/2007

PATENT APPLICATION: US/10/800,487E

TIME: 13:20:02

Input Set : N:\efs\03_29_07\10800487_efs\04218_400148_SeqList.txt

Output Set: N:\CRF4\03292007\J800487E.raw

```

288 <400> SEQUENCE: 19
289 aaugugcuau ucaaacugc 19
292 <210> SEQ ID NO: 20
293 <211> LENGTH: 19
294 <212> TYPE: RNA
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
300 <400> SEQUENCE: 20
301 ccugauggg cagucaaca 19
304 <210> SEQ ID NO: 21
305 <211> LENGTH: 19
306 <212> TYPE: RNA
307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
312 <400> SEQUENCE: 21
313 agcuaaaacc uuccucacc 19
316 <210> SEQ ID NO: 22
317 <211> LENGTH: 19
318 <212> TYPE: RNA
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
324 <400> SEQUENCE: 22
325 cguguacugg acuccagaa 19
328 <210> SEQ ID NO: 23
329 <211> LENGTH: 19
330 <212> TYPE: RNA
331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
334 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
336 <400> SEQUENCE: 23
337 acggguggaa cuggcaccc 19
340 <210> SEQ ID NO: 24
341 <211> LENGTH: 19
342 <212> TYPE: RNA
343 <213> ORGANISM: Artificial Sequence
345 <220> FEATURE:
346 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
348 <400> SEQUENCE: 24
349 ccuccccucu uggcagcca 19
352 <210> SEQ ID NO: 25
353 <211> LENGTH: 19
354 <212> TYPE: RNA
355 <213> ORGANISM: Artificial Sequence
357 <220> FEATURE:
358 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
360 <400> SEQUENCE: 25

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/800,487E

DATE: 03/29/2007
TIME: 13:20:03

Input Set : N:\efs\03_29_07\10800487_efs\04218_400148_SeqList.txt
Output Set: N:\CRF4\03292007\J800487E.raw

KJI
Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:421; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:422; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:423; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:424; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:425; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:426; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:427; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:428; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:429; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21

VERIFICATION SUMMARY

DATE: 03/29/2007

PATENT APPLICATION: US/10/800,487E

TIME: 13:20:03

Input Set : N:\efs\03_29_07\10800487_efs\04218_400148_SeqList.txt

Output Set: N:\CRF4\03292007\J800487E.raw

L:8119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:421 after pos.:0
L:8151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:422 after pos.:0
L:8179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:423 after pos.:0
L:8212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:424 after pos.:0
L:8245 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:425 after pos.:0
L:8277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:426 after pos.:0
L:8310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:427 after pos.:0
L:8342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:428 after pos.:0
L:8375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:429 after pos.:0